

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

C mplete if Kn wn

| | |
|------------------------|----------------|
| Application Number | not known |
| Filing Date | herewith |
| First Named Inventor | Testardi, L.R. |
| Art Unit | not known |
| Examiner Name | not known |
| Attorney Docket Number | tes5 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 3 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|---------------------------------|---------------------------------|--|--|--|--|----------------------|
| Examiner Initials* | Cite No.¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T⁶ |
| | | Country Code³*Number⁴*Kind Code⁵(if known) | | | | |
| | 4 | JP 09-243752 A | 09-19-1997 | Toshiba Corp. | see entire document | X |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TQ: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|--------------------------|------------------------|------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application Number | not known | |
| | | | Filing Date | herewith | |
| | | | First Named Inventor | Testardi, L.R. | |
| | | | Art Unit | not known | |
| | | | Examiner Name | not known | |
| Sheet | 2 | of | 3 | Attorney Docket Number | tes5 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------|---|-----|
| Examiner Initials* | Cite No.† | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T 2 |
| | 5 | Rad/Comm Systems Corp. web page describing the RC/3A Portable Radiation Detector (http://www.radcommsystems.com/hand.html) | |
| | 6 | Amptek web pages describing the GAMMA-RAD and GAMMA-8000 portable scintillation probe (http://www.amptek.com/grad.html , http://www.amptek.com/gamma8k.html , and http://www.amptek.com/dpp.html) | |
| | 7 | ComTec web pages describing a Low Power Scintillation Probe for (portable) MCA Systems (http://www.fastcomtec.com/fwww/datasheet/nidet.pdf) | |
| | 8 | Web document from http://www.arcs.ac.at/G/volltext/ITRAP_Passed_Companies.pdf describing several radiation detecting systems | |
| | 9 | Paper IAEA-CN-86/64 from the 2001 International Conference on Measures to Prevent, Intercept and Respond to Illicit Uses of Nuclear Material and Radioactive Sources ("A 'tubeless' portable radiation search tool (PRST) for special nuclear materials") | |
| | 10 | Paper IAEA-CN-86/63P from the 2001 International Conference on Measures to Prevent, Intercept and Respond to Illicit Uses of Nuclear Material and Radioactive Sources ("Glass fiber sensors for detecting special nuclear materials at portal and monitor stations") | |
| | 11 | 1993 IEEE Nuclear Science Symposium and Medical Imaging Conference Record (vol. 1), pp. 606-608 (High sensitivity, low profile neutron detector for safeguards measurements) | |
| | 12 | PNNL-SA-36643 (An overview of non-traditional nuclear threats) | |
| | 13 | Proceedings of SPIE, v.3536, pp. 148-155 (Performance of a neutron-sensitive scintillating glass-fiber panel for portal, freight, and vehicle monitoring) | |
| | 14 | SEYMOUR, RICHARD ET AL., "Flat-Panel, Scintillating-Fiber Detectors for Safeguards Applications", submitted to INMM Annual Meeting, July 1998, Naples Florida | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M PEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|--------------------------|----------------|------------------------|------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | not known | | |
| | | Filing Date | herewith | | |
| | | First Named Inventor | Testardi, L.R. | | |
| | | Art Unit | not known | | |
| | | Examiner Name | not known | | |
| Sheet | 3 | of | 3 | Attorney Docket Number | tes5 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------|---|-----|
| Examiner Initials* | Cite No.† | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T 2 |
| | 15 | Proceedings of SPIE, v.2551, pp. 108-117 (Glass-fiber based neutron detectors for high- and low-flux environments) | |
| | 16 | Defense Horizons, Number 16, August 2002, pp. 1-12 | |
| | 17 | NucSafe web pages describing scintillating glass fiber technology and sensors as well as PUMA panels and applications, including The Guardian™ Portable Radiation Search Tool | |
| | 18 | Saint-Gobain Scintillation Crystal Arrays and Assemblies brochure (05-02) | |
| | 19 | TSWG web page describing NISUS | |
| | 20 | Bicron Scintillating Optical Fibers brochure (Saint-Gobain Crystals and Detectors) | |
| | 21 | Radiation Oncology, Biology, Physics Volume 24, Supplement 1, 1992, page 288 | |
| | 22 | U.S. Nuclear Regulatory Commission Report NUREG/CR-5223, October 1988. | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M PEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

†1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.